

Water Science and Engineering Programme Overview 2017-2019

INFO WSE programme		HWR Hydrology and Water Resources C1477	HI Hydroinformatics Modelling and Information Systems for Water Management C1490	HE-RBD Hydraulic engineering River Basin Development C1477	CEPD Hydraulic Engineering Coastal Engineering and Port Development C1427	LWD-FS Land and Water Development for Food Security C1505	LWD-FS Nebraska C1048	Groundwatch	Flood Risk Management		
1-20/10 23/10-27/10	Week ONE Introduction (ALL)						IST Lisbon	TU Dresden		
	30/10-03/11 06/11-10/11	Introduction to water science and engineering (WSE/01/c) M2131				Hydrology and hydraulics (WSE/02/c) M2208					
	13/11-17/11 20/11-24/11 27/11-01/12										
	.. 04/12-08/12	Examination Week									
	3 11/12-15/12 18/12-22/12	Hydrogeology (WSE/HWR/03/s) M2166	Information technology and software engineering (WSE/03/s) M3184	River basin hydraulics, geotechnics and remote sensing (WSE/HERBD/03/s) M3129	Introduction to coastal science and engineering (WSE/HECEPD/03/s) M3178	Principles and practices of land and water development (WSE/LWDFS/03/s) M3255					
	.. 25/12-29/12 01/01-05/01	Free Period									
	3 08/01-12/01	3 continue..									
	4 15/01-19/01 22/01-26/01 29/01-02/02	Surface hydrology (WSE/HWR/04/s) M2367	Modelling theory and computational hydraulics (WSE/04/s) M3244	River morphodynamics (WSE/HERBD/04/s) M2730	Port planning and infrastructure design (WSE/HECEPD/04/s) M3165	Design aspects of irrigation and drainage (WSE/LWDFS/04/s) M3252					
	.. 05/02-09/02	Examination Week									
	5 12/02-16/02 19/02-23/02 26/02-02/03	Water quality (WSE/HWR/05/s) M2497	Modelling and information systems development (WSE/05/s) M2128	Data collection and analysis and design (WSE/HERBD/05/s) M3090	Coastal systems (WSE/HECEPD/05/s) M3163	Irrigation and drainage design (WSE/LWDFS/05/s) M3180					
Students enter: Erasmus Mundus Flood Risk Management and Groundwatch	6 05/03-09/03 12/03-16/03 19/03-23/03	Tracer hydrology and flow systems analysis (WSE/HWR/06/s) M1903	Computational intelligence and operational water management (WSE/06/s) M2847	River basin development and environmental impact assessment (WSE/HERBD/06/s) M1703	Design of breakwaters (WSE/HECEPD/06/s) M3164	Socio-economic and environmental aspects of LWD (WSE/LWDFS/06/s) M3177		Tracer hydrology and flow systems analysis (WSE/HWR/06/s) M1903	Computational intelligence and operational water management (WSE/06/s) M2847		
7	26/03-30/03	Examination Week						University of Nebraska, Lincoln, USA			
	7 02/04-06/04 09/04-13/04 16/04-20/04	Hydrological data collection and processing (WSE/HWR/07A/s) M1554 or Groundwater data collection and interpretation (WSE/HWR/07B/s) M3160 HWR: Click here to choose your module 7	River basin modelling (WSE/07s) M3232	River structures (WSE/HERBD/07/s) M1171	Process-based coastal modelling (WSE/HECEPD/07/s) M3162	Conveyance and irrigation structures (WSE/LWDFS/07/s) M3025				Groundwater data collection and interpretation (WSE/HWR/07B/s) M3160	River basin modelling (WSE/07s) M3232
	8 23/04-27/04 30/04-04/05 07/05-11/05	Choice for HWR only: M3096 - Groundwater in adaptation to global change impacts (WSE/HWR/08B/e/Groundwatch) All: M1309 - Integrated hydrological and river modelling (WSE/HWR/08/e) All: M2709 - River flood analysis and modelling (WSE/08A/e) All: M1710 - Urban flood management and disaster risk mitigation (WSE/08B/e) All: M3009 - Dams and hydropower (WSE/HERBD/08B/e/UniKL) All: M3275 - Planning and delivery of flood resilience (WSE/HERBD/08A/e) All: M3166 - International port seminar (WSE/HECEPD/08A/e) All: M3204 - Climate change impacts and adaptation in coastal areas (WSE/HECEPD/08B/e) All: M3203 - Management of irrigation and drainage systems (WSE/LWDFS/08/e)				M3203 Management of irrigation and drainage systems (WSE/LWDFS/08/e)				HWR only: M3096 - Groundwater in adaptation to global change impacts (WSE/HWR/08B/e/Groundwatch)	M2709 - River flood analysis and modelling (WSE/08A/e) OR M1710 - Urban flood management and disaster risk mitigation (WSE/08B/e)
	WSE: Click HERE TO CHOOSE YOUR MODULE 8						--			--	--
	.. 14/05-18/05	Examination Week									
	9 21/05-25/05 28/05-01/06 04/06-08/06	Fieldtrip and fieldwork WSE (WSE/09/c) M3167				Fieldtrip and fieldwork WSE (WSE/09/c) M3167				Fieldtrip and fieldwork WSE (WSE/09/c) M3167	Fieldtrip and fieldwork WSE (WSE/09/c) M3167
10 11/06-15/06 18/06-22/06 25/06-29/06	All: M2841 - Applied groundwater modelling (WSE/HWR/10B/e) All: M3243 - Flood risk management (WSE/010A/e) All: M3036 - Drought management and reservoir operations (WSE/HERBD/10/e) All: M2214 - Geotechnical engineering and dredging (WSE/HECEPD/10/e) All: M3238 - Innovative water systems for agriculture (WSE/LWDFS/10/e)				M2841 - Applied groundwater modelling (WSE/HWR/10B/e)		M3243 - Flood risk management (WSE/010A/e)				
Click HERE TO CHOOSE YOUR MODULE 10 and 11 (2017-2019)						--	--				
11	02/07-06/07 09/07-13/07 16/07-20/07	All: M3048 - Water sensitive cities - (WSE/11) All: M3233 - Hydroinformatics for decision support - (WSE/011e) All: M3277 - Modelling river systems and lakes - (WSE/HERBD/11/e) All: M3251 - Flood protection in lowland areas - (WSE/HECEPD/11/e) All: M3237 - Remote sensing for agricultural water management - (WSE/LWDFS/11/e) OR: a module from another Programme						> IWRM as a tool for adaptation to climate change (ES11X) M3207 or	> All: M3233 - Hydroinformatics for decision support - (WSE/011e)		
	.. 23/07-27/07	Examination Week						Examination Week			
Students leave: Erasmus Mundus Flood Risk Management, Groundwatch	12 30/07-03/08	Click here to choose your summer course (WSE12)						Free/Internship	Free		
13	06/08-10/08 13/08-17/08 20/08-24/08	Groupwork WSE (WSE/13/c) M1284				Free/Internship		Free			
	.. 27/08-31/08	Examination Week									
	.. 03/09-07/09	Free									
	14 10/09-14/09 17/09-21/09 24/09-28/09 01/10-05/10 08/10-12/10	MSc research proposal development for WSE (WSE/14/c) M3284				TU Dresden (Sept 17, 2018)		UPC (Sept 17, 2018)			
.. 15/10-19/10	MSc research, thesis and defence (6 months) (WSE/15) M2927						UL Dec'18-Feb'19				
15 22/10/18 05/04/19	MSc research, thesis and defence (6 months) (WSE/15) M2927						MSc research (Start: March 2019) (Defence: September 2019)	MSc research Start: March'19 Defence: Aug'19			
10/04-12/04 15/04-17/04	Final Examination Week - Diploma awarding 25/04/2019						MSc research (Start: March 2019) (Defence: September 2019)	MSc research Start: March'19 Defence: Aug'19			